

WHAT IS CLAIMED IS:

1. A method for utilizing a sulfuric acid/peroxide liquid mixture comprising:
decomposing peroxide in the sulfuric acid/peroxide liquid mixture to utilize the liquid mixture as sulfuric acid.
2. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein the sulfuric acid/peroxide liquid mixture is a used waste liquid, with the method being a re-utilization method thereof.
3. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein the concentration of sulfuric acid in the sulfuric acid/peroxide liquid mixture is not less than 70 wt%.
4. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein the peroxide in the sulfuric acid/peroxide liquid mixture is one or more of hydrogen peroxide, ozone or peroxy sulfuric acid.
5. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein, in decomposing the peroxide in the sulfuric acid/peroxide liquid mixture, one or more of nitric acid, fuming nitric acid, nitrogen dioxide, nitrate compounds or hydrochloric acid is added to the sulfuric acid/peroxide liquid mixture.
6. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein the sulfuric acid/peroxide liquid mixture is a waste liquid from a semiconductor manufacturing process.
7. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim

5 wherein, as a decomposition accelerator of the peroxide in the sulfuric acid/peroxide liquid mixture, one or more of nitric acid, fuming nitric acid, nitrogen dioxide, nitrate compounds or hydrochloric acid is used.

8. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein sulfuric acid obtained from the sulfuric acid/peroxide liquid mixture is used as a sulfonating agent.

9. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 1 wherein sulfuric acid obtained from the sulfuric acid/peroxide liquid mixture is used in a sulfonating reaction and/or hydrolysis of a high-molecular compound.

10. The method for utilizing a sulfuric acid/peroxide liquid mixture according to claim 9 wherein the high-molecular compound is a used waste plastic material.